

**IN THE SPECIFICATIONS**

Please amend paragraph [0023] as indicated:

[0023] Figure 4 shows the same data of Figure 3 processed using a variable acquisition processing window width using the method of the present invention. As in Fig. 3, the processing window starts at an earlier time,  $\sim 170 \mu\text{sec}$  (405). The end of the processing window occurs at  $\sim 700 \mu\text{sec}$  (406). Thus, the duration of the processing window of Fig. 4 is reduced ( $530 \mu\text{sec}$ ) over the window of Fig. 3. As a result, the noisy data in the region of  $700 \mu\text{sec}$  to  $800 \mu\text{sec}$  is removed from further calculations, thereby enabling improved accuracy; while, at the same time, avoiding undesirable signals from the borehole. Furthermore, the reduced processing window size of the present invention enables an operator to avoid undesired data points at both early and late times.